

CLAIMS

1. A fluid distributor for a heat and material exchange column, comprising a series of adjacent parallel vertical walls (11) defining alternate gas (17) and liquid (20) spaces, some of the vertical walls being separated by horizontal bottom walls (10) provided with a line of holes (15) and at least a portion of each vertical wall (11) being provided with a line of openings (12, 12A), each pair of adjacent vertical walls defining a gas space (17), the line of openings (12, 12A) being formed in the upper part of the vertical wall (11), the horizontal walls being fixed by their ends to a peripheral ring (2), characterized in that first openings (12) have a first length toward the horizontal wall and second openings (12A) have a second length toward the horizontal wall, the second length being greater than the first.

2. The distributor as claimed in claim 1, in which the first and second openings (12, 12A) are elongate, the second openings (12A) being more elongate than other openings.

3. The distributor as claimed in claim 2, in which the first and second openings (12, 12A) have an oval or rectangular shape.

4. The distributor as claimed in one of the preceding claims, in which the line of openings comprises one opening out of N openings (12, 12A) which is a second opening (12A), N being an integer higher than 1, and the other openings of the line are first openings (12) arranged between the second openings.

5. The distributor as claimed in claim 4, in which N is between 4 and 6 inclusive, and preferably equal to 5.

6. The distributor as claimed in one of the preceding claims, in which the gas spaces are closed at the top.

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7. A heat and material exchange column, characterized in that it comprises at least one distributor as claimed in one of claims 1 to 6.